Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Big Muddy Creek
Water Body Identification #: 441
Completed UAA Checklist:
Pre-Field Preparatory Data Sheet
Maps with actual survey sites marked Data Sheet A
Data Sheet B – 3 of 3 pages for each site
O Number of Sites:
Data Sheet C (if applicable)
• Number of Interviews:
Photographs
o Quantities
Upstream
Downstream
Other
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this $\mathbf{UA}A$ is true and accurate.
Signed: A fallando Date: 07/5/2000
Printed News CO All a C
1 cicpnotic #. (710) 556-8713
Organization: Tetra Tech, INC Position: Scientist

<u>Pre-Field Preparatory Data Sheet</u> <u>for Recreational Use Stream Surveys</u>

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID #_ 441_

Date: 07/15/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: Big Muddy Creek

WBID #: 441

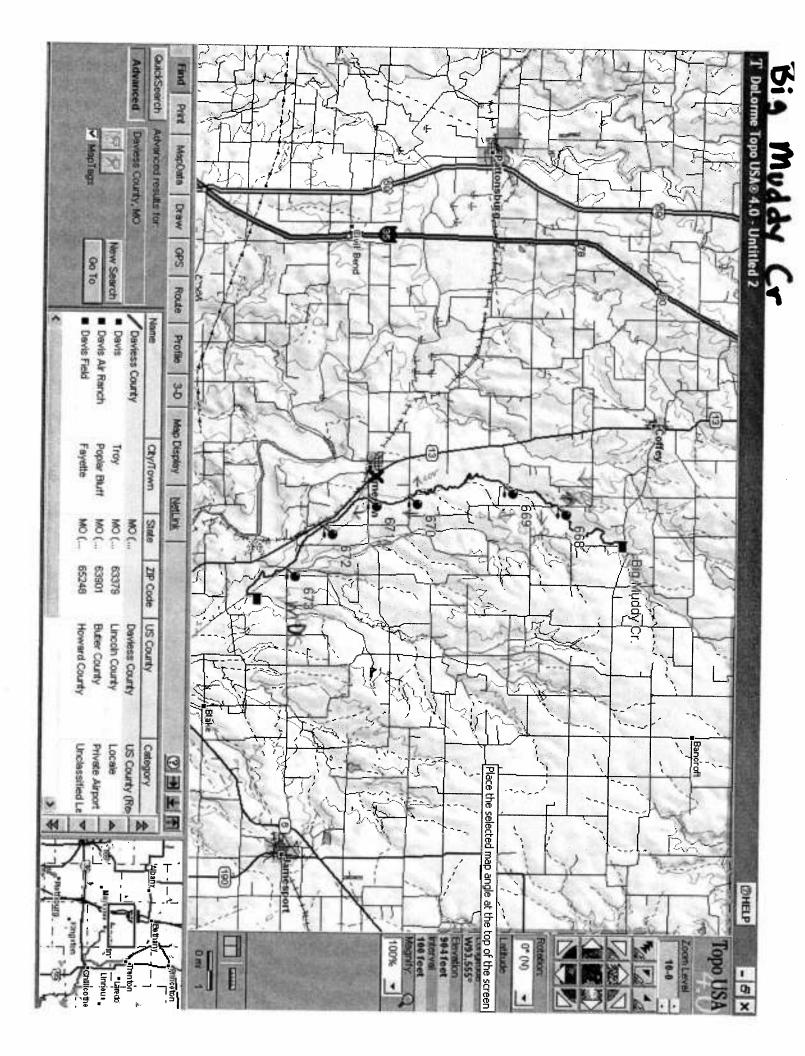
Upstream Coordinates:
(WGS 84, ddd.ddddd) 40.06776, 93.96758

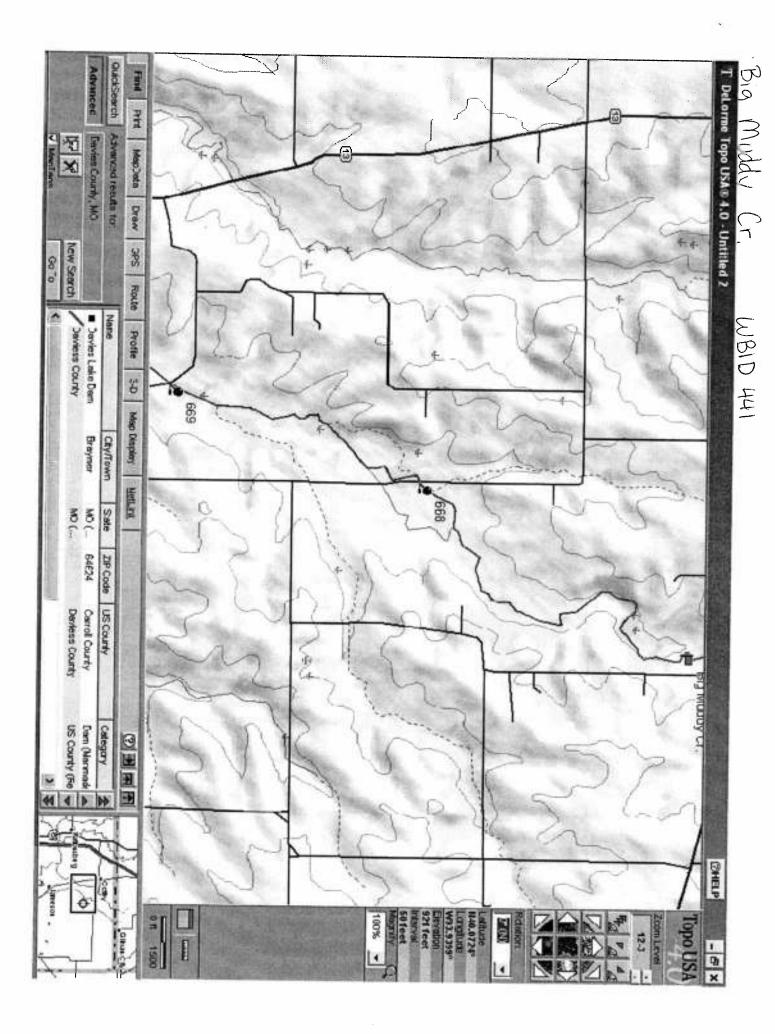
Downstream Coordinates:
(WGS 84, ddd.ddddd) 39.97540, 93.93729

Current Weather Conditions: Hot, Junny, humid

Number of Sites Evaluated: 6

Name(s) of Surveyor(s): Carolina Gallardo, Allx DeWire





GuickSearch 9 T DeLorme Topo USA® 4.0 - Untitled 2 Find Pint I modely C No. Automost results for Devies County, MO MagDate Draw New Search See 00 To Route MBID 441 Name Devies Lake Dam Profile Daviess County 67 36 Map Display Свуломп Вгаутиег 100M State ZIP Code US County Daviess County Carroll County 673 Category A O HAM Indicates the zoom level for the current map. giia 17. DHELP Lattuck H139.9877° Longhade W91.8388° Elevation 155 feet Hdervid Longhade DF QUI 100% 4 4 Topo USA PART WOO 12-1 ų Qı

WBID # 441 Site # 668

Date: 07/15/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

	(A separate Data	Sheet B must be complete	ted for each site)	
Latitude (ddd.dddd):	40.06776		Arrival Time:	
Longitude (ddd.dddd)	: 93.96758		136	
Photo Ids: Upstream	:	Other:		
j0(02	1003	- 1111	
rrative Description	of Location: (De	escribe access point to stream, 1		
at 232 nd.	strut br	idge crossing.	nearby roads, landmarks, etc	2.)
		J		
rrounding Conditions of interest.)	ons*: (Mark all that	promote or impede recreationa	l uses. Attach photos of evid	lence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	
☐ Boating accesses	☐ State parks	☐ National forests	□ Nature trails	Campgrounds
☐ No trespass sign	☐ Fence	☐ Steep slopes	1, 5	☐ Stairs/walkway Ylam
nan Uses Observed	l*:		1 January 31	(RAYV)
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	
☐ Wind surfing	☐ Kayaking	☐ Boating		☐ Water skiing
☐ Hunting	Tranning	C Fishing	□ Wading	Rafting
Describe: (include numb	per of individuals recr	reating, frequency of use, photo	None of the above	Other:
				erroreational uses, et
ence of Human Us	e*:			
Roads	☐ Foot paths/print	s Dock/platform	☐ Livestock Watering	
Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	□ RV / ATV Tracks
Other:		•	THE DES DISCHarge	☐ Fishing Tackle
ces of Pollution: (e.g	g., trash dumping, tire	es, drainages, discharges, etc.)		
J. Dr	7 \ /		00.11	
-X 1/1	Y 5	TREAM	4C AD	

W D:	BID #	<u>141 </u>	te#(668_	
				a Sheet B - Site C	haracterization -
t	ream Mor _l Upstream	phology: View Phy	sical Din	tonsions.	
		Distance access per	e from	Width (m)	Length (m)
-	☐ Riffle				
	·□ Run				
1	□ Pool		· · · · · · · · · · · · · · · · · · ·		
	□ Flow	Present?	☐ Yes	□ No	Velocity (ft/sec):
	Downstrea	ım View P	hysical D	dimensions:	
		Distance access po		Width (m)	Length (m)

	View Physical D Distance from access point (m)	XX71 X42	Length	(m)	Avg. Depth (m)	Mor Donal (
Riffle					- Trig. Depth (III)	Max Depth (
□ Run						
☐ Pool						
□ Flow	Present?	es 🗆 No	Velocity (ft/s	sec):		
Downstread	n View Physica	Dimonsion				
	Distance from access point (m)	Width (m)	Length ((m)	Avg. Depth (m)	Man David (
□ Riffle					argo zopen (m)	Max Depth (1
□ Run						
□ Pool						
☐ Flow	Present?	s □ No	Velocity (ft/se	ec):		
hatuatata (m						
wstrate*: (1	hese values should a	odd up to 100%.) Gravel				
	70	Graver	% Sand	% Silt	% Mud/Clay	% Bedi
uatic Vegeta	ation*: (Note amou	unt of vegetation or a	lgal growth at the as	sessment si	te)	
otor Ol						
Odor:	eristics*: (Mark a					
Color:	☐ Sewage	☐ Musky	☐ Chemical	☐ None	☐ Other:	
COIOI:	☐ Clear	☐ Green	☐ Gray	□ Milky	☐ Other:	
Pottom D.	t: 🗆 Sludge	☐ Solids	☐ Fine sediments	□ None	☐ Other:	
Bottom Deposi Surface Deposi						

* DRY STREAM

QC: AD

use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 441 Site # 668

Date: 07/15/2006

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID # 441 Site # 668

Date: 07 / 15 / 2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live If so, ho	in the area?		ssary for multiple inter	views)
2. Have you pe	ersonally used the	is water body for r	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	G 1 – 5 times G Less than served others usi	5 times per year s per year l time per year – p	lease describe:	
11 30, pica	se check ALL th	hat apply:	Tor recreation since I	975? □ Yes □ No
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
(More than $1 - 5 \text{ times}$ Less than 1	ved it being used for times per year per year time per year		
Contact Informat Name: Address:	t ion (if willing to	o provide):		

WBID # 441 Site # 669

Date: 07/15/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Latitude (ddd.dddd):	40.05207	•	Arrival Time:	
Longitude (ddd.dddd):	93.97733)	10	13
Photo Ids: Upstream:		Downstream:	Other:	
100	00			
arrative Description	of Location: (De	escribe access point to stream, n		
at Fores	tavi nue k	oscillot access point to stream, n	earby roads, landmarks, etc	.)
	- TOWERDED	endge crossing		
errounding Condition	ms*• (Morle all that			
ms of interest.)	. (Wark an that	promote or impede recreational	uses. Attach photos of evid	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	Campgrounds
☐ No trespass sign	☐ Fence	☐ Steep slopes	70: 500 /	Stairs/walkway
ıman Uses Observed			TAGENTIAL DR	tream
☐ Swimming				
☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting Describe: (include numb	Trapping	Fishing	None of the above	☐ Other:
(or or marviduals rect	reating, frequency of use, photo-	documentation of evidence	of recreational uses, etc
dence of Human Us	e*:			
Roads	☐ Foot paths/print	s Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
			1 2 20 Discharge	L Fishing Tackle
☐ Other:				
Other:				
Other:	g., trash dumping, tire	es, drainages, discharges, etc.)		
Other:	g., trash dumping, tire	es, drainages, discharges, etc.)		

KDKY segment ac:AD

WBID # 441 Site # 669

Date: 07/ 15 / 2006

□ Riffle □ Run □ Pool □ Flow Present? □ Yes □ No Velocity (ft/sec): Downstream View Physical Dimensions: □ Distance from Width (m) Usersth (c)	Depth (m)
Upstream View Physical Dimensions: Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max Riffle	Depth (m)
Distance from access point (m) Riffle Run Pool Flow Present? Yes No Velocity (ft/sec): Downstream View Physical Dimensions: Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max Avg. Depth (m) Max Pool Run Run Pool Flow Present? Yes No Velocity (ft/sec): Substrate*: (These values should add up to 100%.)	Depth (m)
Riffle Run Pool Flow Present? Yes No Velocity (ft/sec): Downstream View Physical Dimensions: Riffle Run Run Riffle Run Present? Yes No Velocity (ft/sec): Pool Riffle Run Pool Riffle Run Pool Riffle Run	Zepin (iii)
□ Pool □ Flow Present? □ Yes □ No Velocity (ft/sec): Downstream View Physical Dimensions: □ Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max □ Riffle □ Run □ Pool □ Flow Present? □ Yes □ No Velocity (ft/sec): Substrate*: (These values should add up to 100%.)	
□ Flow Present? □ Yes □ No Velocity (ft/sec): Downstream View Physical Dimensions: □ Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max □ Riffle □ Run □ Pool □ Flow Present? □ Yes □ No Velocity (ft/sec): Substrate*: (These values should add up to 100%.)	
Downstream View Physical Dimensions: Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max Riffle	
Downstream View Physical Dimensions: Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max Riffle	· · · · · · · · · · · · · · · · · · ·
Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Max Riffle Run Pool Flow Present? Yes No Velocity (ft/sec): Substrate*: (These values should add up to 100%.)	
access point (m) Width (m) Length (m) Avg. Depth (m) Max Riffle	
Riffle Run Pool Flow Present? Yes No Velocity (ft/sec): Substrate*: (These values should add up to 100%.)	Depth (m)
☐ Pool ☐ Flow Present? ☐ Yes ☐ No Velocity (ft/sec): Substrate*: (These values should add up to 100%.) % Cobble % Gravel	
☐ Flow Present? ☐ Yes ☐ No Velocity (ft/sec): Substrate*: (These values should add up to 100%.) % Cobble % Gravel	
Substrate*: (These values should add up to 100%.) % Cobble % Gravel	
Substrate*: (These values should add up to 100%.) % Cobble % Gravel % Gravel	
% Cobble % Gravel 0/ G	
% Cobble % Gravel % Sand % Silt % Mud/Clay	
	% Bedrock
Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)	
A separation at the assessment site.)	
Water Characteristics*: (Mark all that apply.)	
Odor:	
Color: Green Gray Milky Other:	
Bottom Deposit:	ŀ
Surface Deposit:	

QC:AD

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID	#	41	11		_ Site #	669
Date	17	/ 1	5	,	700/2	

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique conditions, problems in measuring, site relocation).	local

WBID # 441 Site # 669

Date: 07/15/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe		is water body for r	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	[] W 1"
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:
3. Have you obs	served others us	1 time per year – p	lease describe:	
☐ Swimming	se check ALL t	nat apply:		
☐ Wind surfing	☐ Kayaking	☐ SCUBA diving ☐ Boating	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
(G More than G 1 – 5 times G Less than 1	rved it being used f 5 times per year per year time per year – pl		

Telephone #:

WBID # 441 Site # 670

Date: 07 / 15 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Latitude (ddd.dddd):	40.01858		Arrival Time:	
Longitude (ddd.dddd):	93.97084		134	
Photo Ids: Upstream:			Other:	131
0993 0994		0994		2,0996,09
arrative Description	of Location: (De	scribe access point to stream,	nearby roads, landmarks, etc.)
at Isle A	venue bnd	ge crossing.	, , , , , , , , , , , , , , , , , , , ,	.)
rrounding Conditio	ns*: (Mark all that]	promote or impede recreationa	l uses. Attach photos of evid	ence or unusual
				and of unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	Steep slopes 0996	Other:	
man Uses Observed	!*:	,		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fighing	V	Rafting
Describe: (include numb	er of individuals recr	eating, frequency of use, photo	None of the above	Other:
dence of Human Use				, •
Roads	☐ Foot paths/print	s	☐ Livestock Watering	
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ RV / ATV Tracks
XOther: Trash	(0997)	T. Frank	1 TH DES DISCHarge	☐ Fishing Tackle
	trash dumning tire	es, drainages, discharges, etc.)		
rces of Pollution: (e.g	o, agon dumping, me	o, mamages, mernarnee ata i		

QC - AD

WBID# 441 Site# 670

Date: 07/15/2006

Data Sheet B - Site Characterization - 2 of 3

	View Physical Dim Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (n
□ Riffle					open (n
□ Run					
Pool	30	2.2	30	0.075	5.1
Flow	Present? Yes	□ No	Velocity (#/sec):	0,05 m/50	0.1
Jownstran	m View Dhysia I D			0,00 / 500	
	m View Physical D Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m
□ Riffle				G()	Wax Depth (III
□ Run					
X Pool	15	2.2	10	0.175	ñ 05
Flow	Present? Yes	□ No	Velocity (ft/sec):	0.05 m/sec	0.25
% (These values should add	ravel 40%			/O % Bedro
Slight	ation*: (Note amount amounts o	of vegetation or algal F floating	agrowth at the assessme	nt site.) found,	
er Charac	teristics*: (Mark all t	hat apply.)			
er Charac Odor:	teristics*: (Mark all ti □ Sewage	· · · · · · · · · · · · · · · · · · ·	Chemical N	one	

☐ Foam

Fine sediments

□ None

None

 \square Other:

☐ Other:

QC: AD

□ Sludge

☐ Oil

☐ Solids

□ Scum

Bottom Deposit:

Surface Deposit:

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WBID #_	441	Site #	670
Date: <u>07</u>	1 15 /	2006	

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	_

WBID	#_	441	Site # _	670
_	wi	. ,	00.	

Date: <u>05</u> / 15 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

2. Have you pe	w long have you rsonally used th ase check ALL t	is water body for r	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	served others usi	1 time per year – p	lease describe:	
Swimming	se check ALL th	nat apply:	☐ Tubing	T
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Water skiing
	□ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:
☐ Hunting				U Otner:
	More than $1 - 5$ times	ved it being used f 5 times per year per year time per year – pl	or recreation?	Li Other:
How often	More than: $1 - 5 \text{ times}$ G Less than 1	5 times per year per year	or recreation?	Li Other:

WBID # 441 Site # 671

Date: 07/15/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Boating accesses State parks National forests Nature trails No trespass sign Fence Steep slopes Other: MOWLO FULL Human Uses Observed*:		
Longitude (ddd.dddd): 93.97046 Difference Downstream: Other: D988 O990 O991		
Photo Ids: Upstream: Other: 1948		
Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.) OHRAGE CROSSING. Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence of terms of interest.) City/county parks	<u> </u>	
Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.) OH HWY P bridge crossing. Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence of terms of interest.) City/county parks		
Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence of terms of interest.) City/county parks		
Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence of ems of interest.) City/county parks		
□ City/county parks □ Playgrounds □ MDC conservation lands □ Urban areas □ □ Boating accesses □ State parks □ National forests □ Nature trails □ □ No trespass sign □ Fence □ Steep slopes ★ Other: ★ Other		
Boating accesses	or unusual	
Boating accesses State parks National forests Nature trails Not trespass sign Fence Steep slopes Other: MOWLO MU Mowle M	Campgrounds	
No trespass sign	Stairs/walkway	
wman Uses Observed*: Swimming Skin diving SCUBA diving Tubing □ Wind surfing □ Kayaking □ Boating □ Wading □ Hunting □ Trapping □ Fishing None of the above □ Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of rec idence of Human Use*: Roads □ Foot paths/prints □ Dock/platform □ Livestock Watering □ R Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ F Other: TVASh IN SYMAM (0988)	1d - (0991)	
□ Swimming □ Skin diving □ SCUBA diving □ Tubing □ □ Wind surfing □ Kayaking □ Boating □ Wading □ □ Hunting □ Trapping □ Fishing None of the above □ Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of rec idence of Human Use*: Roads	10 (011)	
□ Wind surfing □ Kayaking □ Boating □ Wading □ □ Hunting □ Trapping □ Fishing None of the above □ Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of rec idence of Human Use*: Roads		
□ Hunting □ Trapping □ Fishing None of the above □ Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of rec idence of Human Use*: Roads □ Foot paths/prints □ Dock/platform □ Livestock Watering □ Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ FOOTHER: TVASh IN SYNAM (0988)	Water skiing	
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of rec idence of Human Use*: Roads	Rafting	
idence of Human Use*: Roads	Other:	
Rope swings		
Rope swings Camping Sites Fire pit/ring NPDES Discharge F Other: Trash in Striam (0988)	RV / ATV Tracks	
Aother: Trash in Striam (0988)	Fishing Tackle	
Proper of Dellard	Toming Tuckie	
arces of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)		
Trash in stream (0988)		

RC-AD

WBID #	-11	Site #	671
Date: <u>07/</u> _	15/	2006	
			Data Shee
Stream Morp Upstream			Dimension
	L	stance fro ess point (, ,
1	I		

et B - Site Characterization – 2 of 3 ns: Width (m) Length (m) Avg. Depth (m) Max Depth (m) ☐ Riffle □ Run 10 Pool 2.2 10 Flow Present? ☐ Yes 🛛 No Velocity (ft/sec): **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) access point (m) Avg. Depth (m) Max Depth (m) ☐ Riffle □ Run X Pool 5 3.2 0.33 ID 0.5 **E** Flow Present? ☐ Yes Velocity (ft/sec): Substrate*: (These values should add up to 100%.) % Cobble 10 % Gravel % Sand % Silt 20 % Mud/Clay 5 % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) slight amounts of attached algae along stream's cado edge. Water Characteristics*: (Mark all that apply.) Odor: ☐ Sewage ☐ Musky ☐ Chemical X None ☐ Other: Color: **C**lear ☐ Green ☐ Gray ☐ Milky ☐ Other: Bottom Deposit: ☐ Sludge □ Solids Fine sediments □ None ☐ Other: Surface Deposit:

Foam

□ None

☐ Other:

QC-AD

□ Oil

☐ Scum

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID	#	441	Site #	67 m
Date	17	15	1 2006	

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	

WBID # 441 Site # 671

Date: 07/ 15 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

If so, ple	ersonally used the	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you ob	served others us	1 time per year – p	lease describe:	
☐ Swimming	se check ALL to	nat apply: SCUBA diving		
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Tubing ☐ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:
(G More than G 1 – 5 times G Less than 1	rved it being used for times per year per year time per year — ple		
(G More than G 1 – 5 times G Less than 1	5 times per year per year		

WBID # 441 Site # 672

Date: 07/14/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

	(A separate Data	Sheet B must be complete	ed for each site)			
Latitude (ddd.dddd):	39.98840		Arrival Time:			
Longitude (ddd.dddd):	93 95720					
Photo Ids: Upstream: Downstream:				1705		
09		0985	Other: 0986			
UT	0		098	<i></i>		
arrative Description	of Location: (De	escribe access point to stream, n	earby roads landmorter at	`		
at 235th 5t	reet bride	11 Cutosim	euroy roads, landillarks, etc	.)		
		j° 510501. jj.				
ms of interest.)	ns*: (Mark all that p	promote or impede recreational	uses. Attach photos of evid	ence or unusual		
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	bass sign		Other: Ag. Gllos			
ıman Uses Observed	*•		- A - Mg. FILL	<u>~</u>		
☐ Swimming			T			
☐ Wind surfing	Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Hunting	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting		
	Trapping	☐ Fishing reating, frequency of use, photo-	None of the above	☐ Other:		
idence of Human Use						
Roads	☐ Foot paths/print	s Dock/platform				
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ Livestock Watering	□ RV / ATV Tracks		
Other: Run off	15 : 0	186)	☐ NPDES Discharge	☐ Fishing Tackle		
		,				
rces of Pollution: (e.g	., trash dumping, tire	es, drainages, discharges, etc.)				
		<u> </u>				

wan 4	941 a	170			
Data: DF	H Site # (<u>at2</u>			4
Date:					
	Dat	a Sheet B - Site Ch	ıaracterization – 2	of 3	
Stream Morp Upstream	phology: View Physical Din	nensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☐ Pool	35	38	25	0.2	0.3
Flow	Present? ☐ Yes	No.	Velocity (ft/sec):		
Downstrea	m View Physical I	Dimensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					- Tax Depth (III)
☐ Run					
Pool	15	3.2	-30	0.2	Λ. //
Flow	Present?	No	Velocity (ft/sec):	U × 2	0.4
Substrate*: (7	These values should add		Sand %	Silt % Mud/Clay	
					80 % Bedrock
Aquatic Veget	ation*: (Note amount	of vegetation or algal	growth at the assessmen	nt site.)	
Anach	ea and float	ng algal	wurl found	. In abunda	ntamounts
Water Charac	teristics*: (Mark all	that apply)			
Odor:	□ Sewage		Chemical X No		

[☐] Other: Color: Clear ☐ Green ☐ Gray ☐ Milky ☐ Other: Bottom Deposit: \square Sludge \square Solids Fine sediments □ None ☐ Other: Surface Deposit: Scum ☐ Oil Foam □ None ☐ Other:

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 441 Site # 672

Date: 07/14/2006

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
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WBID # 441 Site # 672

Date: 07/14 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe		lived here?is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	G 1 – 5 times G Less than served others usi	1 time per year – p	lease describe:	
☐ Swimming	se check ALL the Skin diving	nat apply:		
_ switting	Skiii diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□ Donting		
☐ Wind surfing ☐ Hunting	☐ Kayaking ☐ Trapping	☐ Boating ☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
☐ Hunting How ofter	☐ Trapping In have you obsert G More than G 1 - 5 times	☐ Fishing ved it being used for times per year per year	☐ None of the above	☐ Rafting
☐ Hunting How ofter	☐ Trapping In have you obsert G More than G 1 - 5 times Less than 1	☐ Fishing ved it being used for times per year per year	□ None of the above or recreation?	☐ Rafting

WBID # 441 Site # 673

Date: 07/14/ 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Longitude (ddd dddd)	39.97540	77- A	Arrival Time:	
Longitude (ddd.dddd)			16	30
Photo Ids: Upstream		Downstream: 0979	Other: 098	0 0982
rrativa Dacarintia	- of Y			, 0 105
OF 250+	Of Location: (De	escribe access point to stream.	, nearby roads, landmarks, etc	.)
W1 2007	1 STREET D	ridge wossing	A	
rounding Condition	ons*: (Mark all that	promote or impede recreation	nal uses. Attach photos of evid	
		T T T T T T T T T T T T T T T T T T T	ar uses. Attach photos of evid	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation land	s	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	Steep slopes (0981)	Other: Aa field	15 (0983)
nan Uses Observe	4*·		-14 19 11210	1) (0 105)
☐ Swimming				
☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
Describe: (include numi	☐ Trapping ber of individuals reco	☐ Fishing	None of the above	☐ Other:
		requency of use, pho	None of the above to-documentation of evidence	of recreational uses, et
ence of Human Us	- Je			
Roads	T			
Rope swings	☐ Foot paths/print	s Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
	Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
Other: Trash(0982)runof	f ditch (0980)		
ces of Pollution: (e	.g., trash dumning tim	es, drainages, discharges, etc.)		
(0.	o., auon dumping, III	es, mainages, discharges, etc.))	
Trash (098	Y			

ac: AD

•		
WBID #	441 Site# (73
Date: <u>07</u> /	14/2006	
	Dat	a Sheet B -
Stream Mo Upstream	rphology: n View Physical Din	nensions:
	Distance from	Width

- Site Characterization - 2 of 3 th (m) Length (m) access point (m) Avg. Depth (m) Max Depth (m) □ Riffle □ Run Pool 50 0.ユ Flow Present? Yes □ No Velocity (ft/sec): not measurable **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) access point (m) Avg. Depth (m) Max Depth (m) □ Riffle □ Run 30 Pool 20 0.3 ⊠Yes **K**Flow Present? □ No Velocity (ft/sec): not measurable Substrate*: (These values should add up to 100%.) % Cobble 20 % Gravel 60 % Sand % Silt **√0** % Mud/Clay 10 % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) Floating and attached algae were found in moderate amounts. Water Characteristics*: (Mark all that apply.) Odor: ☐ Sewage None ☐ Musky ☐ Chemical ☐ Other: Color: X Clear ☐ Green ☐ Gray ☐ Milky ☐ Other: Bottom Deposit: ☐ Sludge ☐ Solids Fine sediments □ None ☐ Other: Surface Deposit:

Foam

□ None

☐ Other:

QC: AD

☐ Oil

Scum

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 441 Site # 673

Date: 07/14/2006

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
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WBID # 441 Site # 673

Date: 07/14/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you po	ersonally used the	is water body for r that apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you ob		ing this water body	for recreation since 1	
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
How ofter	More than $1-5$ times	ved it being used f 5 times per year per year		
(···	time per year – ple	case describe:	

Telephone #:



































